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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,161	06/24/2003	Naoki Nishimura	B422-234	9482

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EXAMINER

WU, XIAO MIN

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 09/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/602,161

Applicant(s)

NISHIMURA, NAOKI

Examiner

XIAO M. WU

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 9-15 is/are rejected.
- 7) ☒ Claim(s) 7 and 8 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 June 2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 and 9-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Escritt et al. (Us Patent No. 5,548,282).

As to claim 1, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements (17, Fig. 4) are arranged, each (17) of the plurality of wireless image forming elements having an image forming element (1', Fig. 7) and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); and a wireless transmission unit (13, 14, 15, 16, Fig. 4) for executing a transmission of the instruction for image formation and a transmission of the drive energy by means of wireless communications (see Fig. 6).

As to claim 2, Escritt discloses wireless elements of the plurality wireless image forming elements are adapted to selectively receive electromagnetic waves of respective different frequencies (see col. 9, lines 14-23).

As to claim 3, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements (e.g.

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plural display units 4) are arranged, each (17, Fig. 4) of the plurality of wireless image forming elements having an image forming element (1', Fig. 7) and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); and a plurality of wireless transmission units (13, 14, 15, 16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by means of wireless communications; wherein the plural wireless transmission units are adapted to execute the transmission of the instruction for image formation and/or the transmission of the drive energy by wireless communication to the respective different wireless elements (see Figs. 1a and 6).

As to claim 4, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements (17) are arranged, each (17) of the plurality of wireless image forming elements having an image forming element and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); and a wireless transmission unit (13-16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by means of wireless communications; wherein the wireless transmission unit (13) is provided on a rear face side of the image display unit (see Figs. 4, 7).

As to claim 5, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements are

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arranged, each of the plurality of wireless image forming elements having an image forming element (4) and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); a wireless transmission unit (13-16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by means of wireless communications; and a container (e.g. the display housing 17) for containing the image display unit and the wireless transmission unit; wherein the container is adapted to shield a leakage, to the exterior (col. 13, lines 22-24), of the instruction for image formation and/or the drive energy, transmitted from the wireless transmission unit (Fig. 6).

As to claim 6, Escritt discloses a method for displaying an image in an image display apparatus which comprises: an image display unit (4, Fig. 1a) consisting of an arrangement of a plurality of wireless image forming elements (e.g. single display unit 4), each (4) having an image forming element and a wireless element (13) for executing a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 4); and a wireless transmission unit (13-16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by means of wireless communications, the method comprising the steps of: shortening a distance between the wireless element and the wireless transmission unit (col. 2, lines 62-67); and executing the reception in the state with the distance being shortened (see Fig. 4).

As to claim 9, Escritt discloses a method for displaying an image in an image display

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apparatus which comprises: an image display unit (4, Fig. 1a) consisting of an arrangement of a plurality of wireless image forming elements (17, Fig. 4), each (17) having an image forming element (1', Fig. 7) and a wireless element (13, Fig. 4) for executing a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 4); a wireless transmission unit (13-16) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by means of wireless communication; and a container (e.g. display housing, see col. 10, lines 9-10) for containing the wireless transmission unit, the method comprising the steps of: containing the image display unit in the container; and executing the transmission in a state in which the image display unit is contained in the container (see Fig. 17).

As to claim 10, Escritt discloses a method for displaying an image in an image display apparatus which comprises: an image display unit (4, Fig. 1a) consisting of an arrangement of a plurality of wireless image forming elements (17, Fig. 4), each (17) having an image forming element (1', Fig. 7) and a wireless element (13) for executing a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); a wireless transmission unit (13-16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by wireless communication; and a container (col. 10, lines 9-10) for containing the image display unit and the wireless transmission unit, the method comprising the steps of: rendering shieldable (col. 13, lines 22-24) by the container a leakage, to the exterior, of the instruction for image formation and/or the drive energy, transmitted from the wireless transmission unit; and executing the transmission in the shieldable state (see Fig. 4).

As to claim 11, Escritt discloses a method for displaying an image in an image display apparatus which comprises: an image display unit (4, Fig. 1a) consisting of an arrangement of a plurality of wireless image forming elements (17, Fig. 4), each (17) having an image forming element (1', Fig. 7) and a wireless element (13) for executing a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6); and a wireless transmission unit (13-16, Fig. 4) for executing a transmission of the instruction for image formation and/or a transmission of the drive energy by wireless communication, the method comprising the steps of: changing a relative position of the wireless transmission unit and the image display unit (e.g. the transmitter 6 can be positioned adjacent to the display in different positions such as below and above the display); and executing the transmission while changing of the relative position (see Figs. 7-16).

As to claim 12, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements (17, Fig. 4) are arranged, each (17) of the plurality of wireless image forming elements having an image forming element and a wireless element, the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and reception of a drive energy for the image forming element by a wireless communication (Fig. 6); wherein the image display unit (4) performs image display by receiving the instruction for image formation and the drive energy which are being transmitted by the wireless communication (Fig. 6).

As to claim 13, Escritt discloses a transmitter (3, 6, 113, Fig. 1a) comprising: a wireless transmission unit (3, 6, 13) for executing a transmission of an instruction for image formation

and a drive energy by means of wireless communications (Fig. 6), wherein the wireless transmission unit is adapted to execute the transmission to an image display unit in which a plurality of wireless image forming elements are arranged, each (4) of the plurality of wireless image forming elements having an image forming element and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and a reception of a drive energy for the image forming element by a wireless communication (Fig. 4).

As to claim 14, Escritt discloses an image display apparatus, the apparatus comprising: an image display unit (4, Fig. 1a) in which a plurality of wireless image forming elements (17, Fig. 4) are arranged, each (17) of the plurality of wireless image forming elements having an image forming element (1', Fig. 7) and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication (Fig. 6), wherein the image display unit performs image display by receiving the instruction for image formation and/or the drive energy which are being transmitted from a plurality of transmission units by means of wireless communications and wherein the plurality of wireless image forming elements comprise wireless image forming elements for receiving the instruction for image formation and/or the transmission of the drive energy which are being transmitted from respective different transmission elements (see Fig. 6).

As to claim 15, Escritt discloses a transmitter (3, 6, 13) comprising: a plurality of wireless transmission units (4), each (17) of the wireless transmission units executing a transmission of an instruction for image formation and/or a transmission of an energy by means

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of wireless communications (Fig. 6), wherein the transmitter (3, 6, 13) is adapted to execute the transmission to an image display unit (4) in which a plurality of wireless image forming elements (17) are arranged, each (17) of the plurality of wireless image forming elements having an image forming element (1', Fig. 7) and a wireless element (13), the wireless element (13) being adapted to execute a reception of an instruction for image formation by a wireless communication and/or a reception of a drive energy for the image forming element by a wireless communication, and wherein the wireless transmission units are adapted to execute the transmissions to respective different wireless elements (Fig. 1a).

Allowable Subject Matter

3. Claims 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The US Patents 5,153,573, 5,345,231, 6,825,829, 6,924,781 are cited to teach a remote display control device.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XIAO M. WU whose telephone number is 571-272-7761. The examiner can normally be reached on 6:30 am to 4:00 pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, PATRICK EDOUARD, can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

x.w.

September 23, 2005


XIAO M. WU
Primary Examiner
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